

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/005104

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 B41J2/175

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 B41J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 5 742 312 A (CARLOTTA ET AL) 21 April 1998 (1998-04-21) column 5, line 23 - column 6, line 38 figure 1	1-4, 6-9, 11, 17 22
X	US 5 010 354 A (COWGER ET AL) 23 April 1991 (1991-04-23)  column 2, line 55 - column 5, line 14 figures 1, 2	1-5, 10, 11, 15, 19-21
X	US 6 257 712 B1 (HAIGO HIDEAKI) 10 July 2001 (2001-07-10) column 5, line 64 - column 7, line 35 figures 2, 3	1-4, 19-21
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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- \*P\* document published prior to the international filing date but later than the priority date claimed

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\* & \* document member of the same patent family

Date of the actual completion of the international search

17 March 2005

Date of mailing of the international search report

30/03/2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2001/002137 A1 (UDAGAWA KENTA) 31 May 2001 (2001-05-31) paragraphs '0040! - '0054! figures 2-4 -----	22

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5742312	A	21-04-1998	JP	8207304 A	13-08-1996
US 5010354	A	23-04-1991	JP	2898746 B2	02-06-1999
			JP	3180357 A	06-08-1991
US 6257712	B1	10-07-2001	JP	11138839 A	25-05-1999
			JP	11198393 A	27-07-1999
US 2001002137	A1	31-05-2001	JP	3286210 B2	27-05-2002
			JP	11010899 A	19-01-1999